

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,242,136 B2  
APPLICATION NO. : 10/796102  
DATED : July 10, 2007  
INVENTOR(S) : Young Sung Kim

Page 1 of 5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The Title Page, showing an illustrative figure, should be deleted and substitute therefor the attached Title Page.

Delete drawings sheets 6 of 9, 7 of 9, and 9 of 9 and substitute therefor the drawing sheets, consisting of figs 8, 9 and 11 as shown on the attached page.

Signed and Sealed this

Twenty-second Day of July, 2008

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a cursive "Dudas".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*

(12) **United States Patent**  
Kim et al.

(10) Patent No.: **US 7,242,136 B2**  
(45) Date of Patent: **Jul. 10, 2007**

(54) **FRONT FILTER, AND PLASMA DISPLAY APPARATUS HAVING THE SAME**

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(73) Assignee: **LG Electronics Inc., Seoul (KR)**

(\*) Notice: **Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 334 days.**

(21) Appl. No.: **10/796,102**

(22) Filed: **Mar. 10, 2004**

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(30) **Foreign Application Priority Data**

**Mar. 11, 2003 (KR) ..... 10-2003-0015174**

(51) **Int. Cl.**

**G06F 3/033 (2006.01)**

**G09F 9/00 (2006.01)**

**H01J 61/40 (2006.01)**

(52) **U.S. Cl. .... 313/112; 313/582; 359/885; 359/577**

(58) **Field of Classification Search ..... 345/173-178; 178/18.01-20.06**

**See application file for complete search history.**

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(57) **ABSTRACT**

The present invention relates to a front filter having a touch screen, and a plasma display apparatus having the same. The front filter installed on a front surface of a panel of a plasma display apparatus, the front filter including: a touch screen for generating a coordinate signal with respect to a touch point.

**22 Claims, 9 Drawing Sheets**

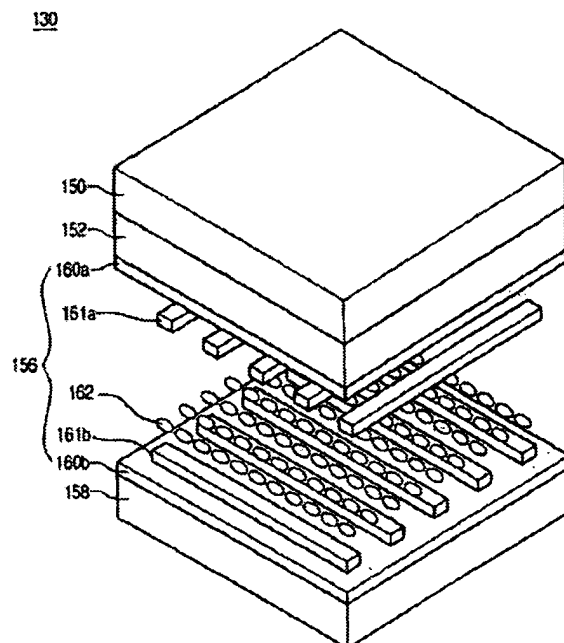


Fig. 8

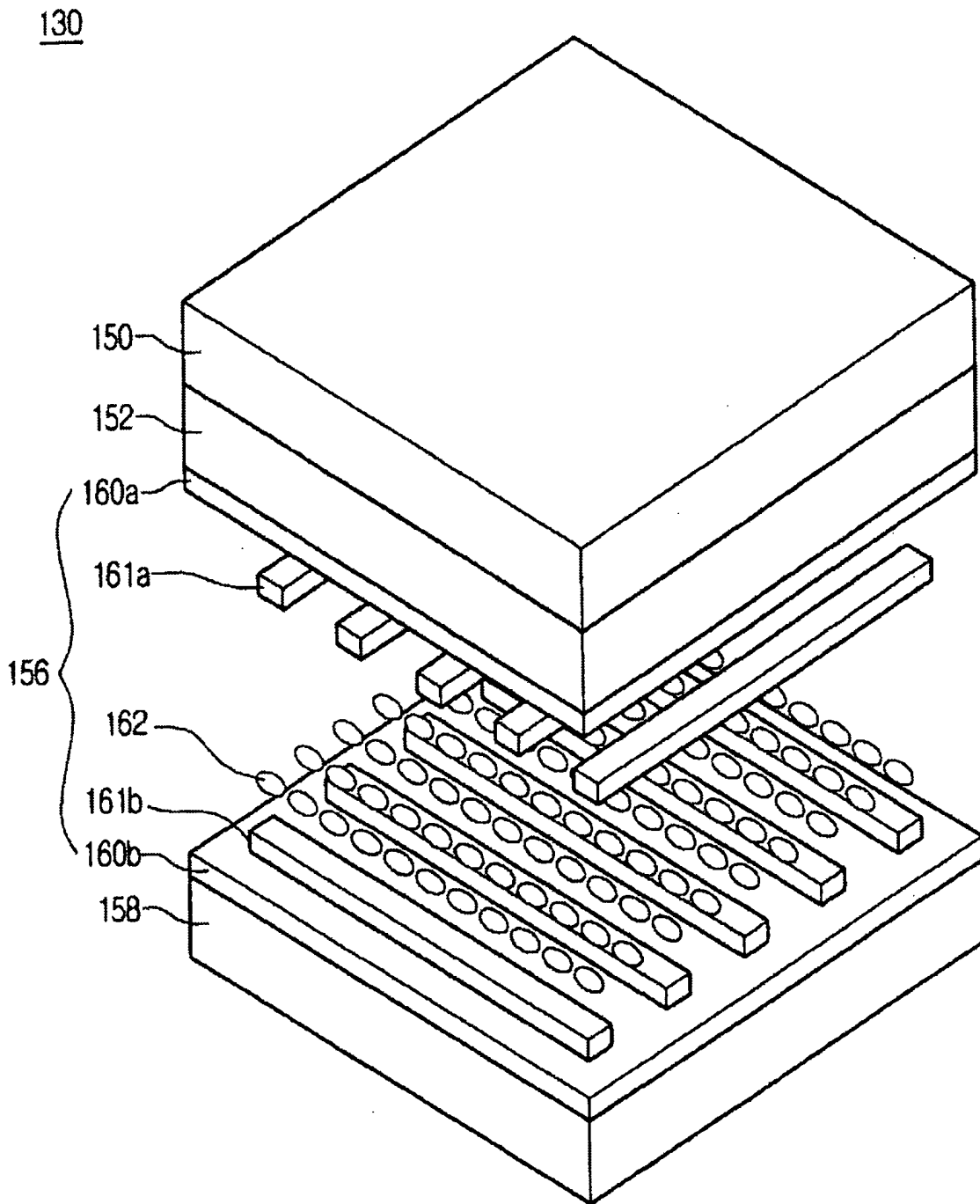


Fig. 9

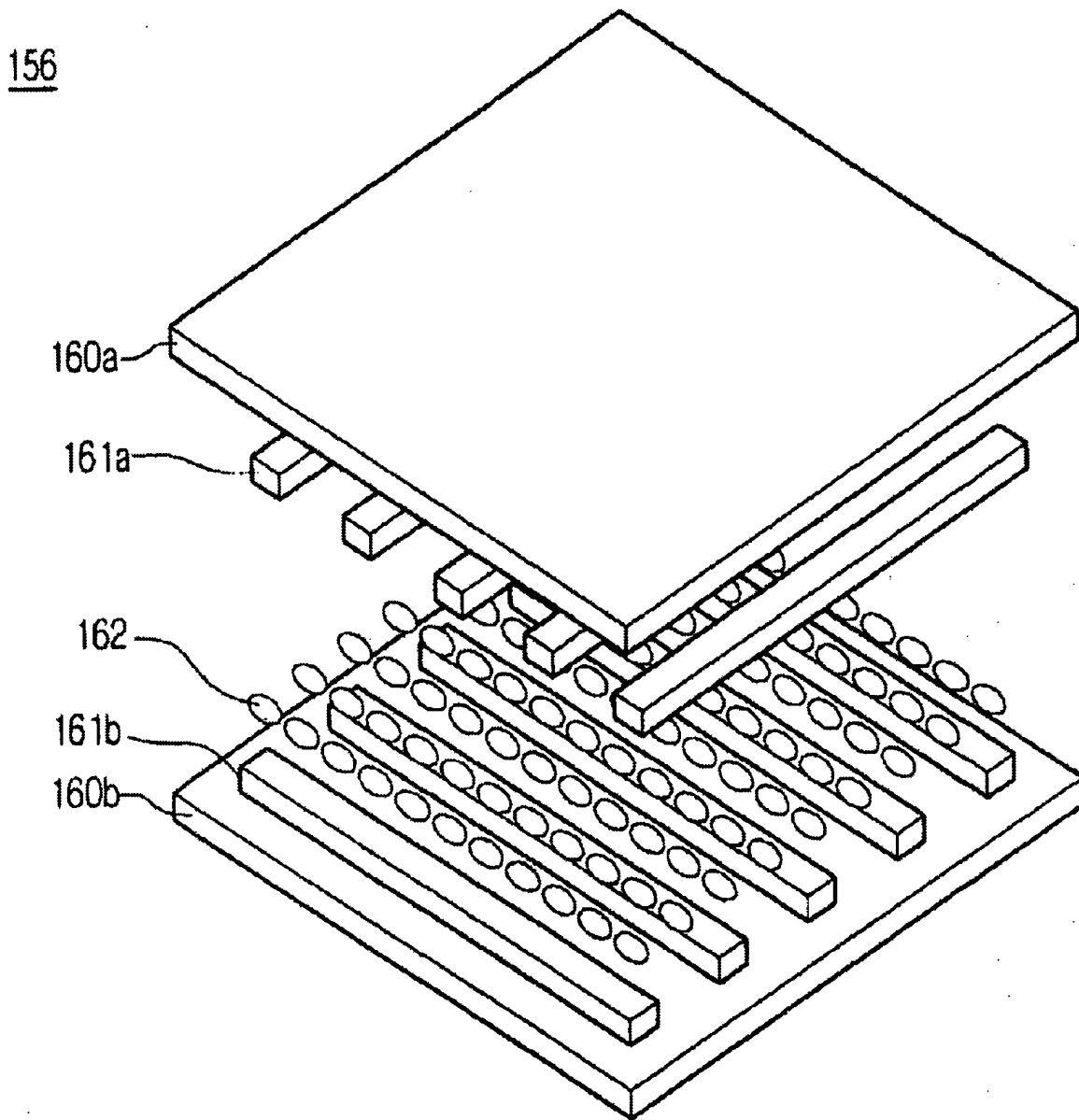


Fig. 11

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